

ILLUMINATION SYSTEM FOR NONEMISSIVE ELECTRONIC DISPLAYS

ABSTRACT

A frontlighting illumination system for selectively illuminating a nonemissive electronic display includes display elements in communication with at least one light source. The electronic display includes a nonemissive electro-optic medium; and a light transmissive element. Light transmitted through the light transmissive element illuminates the display medium. The propagation of light that is directed through the light transmissive element towards the microencapsulated electrophoretic display medium is substantially undeflected at the interface between the surface of the light transmissive element and the microencapsulated electrophoretic display medium. A reflector is included for directing light from the light source through the light transmissive element.